

conductor ends, the outer shield of the input coaxial cable having opposite first and second outer shield ends;

an output coaxial cable comprising an inner conductor and an outer shield, the inner conductor of the output coaxial cable having opposite first and second inner conductor ends, the outer shield of the output coaxial cable having opposite first and second outer shield ends;

C1
a ground block comprising an electrical connector electrically coupling the second inner conductor end of the input coaxial cable to the first inner conductor end of the output coaxial cable and electrically coupling the second outer shield end of the input coaxial cable to the first outer shield end of the output coaxial cable;

a ferrite form;

a ground reference source; and

a grounding conductor having first and second grounding conductor ends, the grounding conductor being wound about or through the ferrite form thereby creating a choke in series between the first grounding conductor end and the second grounding conductor end, the first grounding conductor end being electrically coupled to the ground block in a manner such that the first grounding conductor end is electrically coupled to the second outer shield end of the input coaxial cable and electrically coupled to the first outer shield end of the output coaxial cable, the second grounding conductor end being electrically coupled to the ground reference source.

C2
2 (amended). The system of Claim 1 wherein:

the input and output coaxial cables comprise parts of a coaxial network;

C2 the ferrite form and the grounding conductor comprise parts of an RF filter,
the grounding conductor being configured to function as a ground for the coaxial
network and to attenuate RF interference.

Please cancel claim 3 without prejudice.

C3 4 (twice amended). The system of Claim 2 wherein the RF filter attenuates
RF signals in a frequency band from approximately 5 MHz to approximately 42 MHz.

5 (twice amended). The system of Claim 2 wherein the ferrite form is
constructed of type 77 ferrite material.

C4 6 (amended). The system of Claim 5 wherein the grounding conductor is
constructed of at least 14 gauge copper wire.

Please cancel claims 7-12 without prejudice.

C5 13 (amended). A system comprising:
a coaxial network adapted and configured for transmission of two-way
RF signals, the network having at least one coaxial cable traversing a distance between
a first site and a second site, the coaxial cable having an outer shield; and
an RF choke connected in series between a ground reference source
and the coaxial cable outer shield.

CS 14 (amended). The system of Claim 13 wherein the RF choke comprises a ferrite form and a solid conductor, the conductor being wound about the ferrite form.

15 (amended). The system of Claim 13 wherein the RF choke comprises a ferrite form adapted so that it can be placed around a ground wire.

16 (amended). The system of Claim 13 wherein the RF choke attenuates RF signals in a frequency band from approximately 5 MHz to approximately 42 MHz.

17 (amended). The system of Claim 14 wherein the ferrite form is constructed of type 77 ferrite material.

Please cancel claim ~~22~~ without prejudice.

Please enter the following new claims 23-27.

CB 23 (new). The system of claim 1 wherein the electrical connector of the ground block comprises an inner conductor coupling and an outer shield coupling, the inner conductor coupling electrically coupling the second inner conductor end of the input coaxial cable and the first inner conductor end of the output coaxial cable, the outer shield coupling electrically coupling the second outer shield end of the input coaxial cable and the first outer shield end of the output coaxial cable.

24 (new). The system of claim 1 further comprising an input male coaxial cable connector and an output male coaxial connector, the second ends of the input coaxial cable being attached to the input male coaxial cable connector, the first ends of the output coaxial cable being attached to the output male coaxial cable connector, and wherein the ground block comprises an input female receptacle and an output female receptacle, the input female receptacle being in mating engagement with the input male coaxial cable connector, the output female receptacle being in mating engagement with the output male coaxial cable connector.

25 (new). A filter for reducing RF interference on a coaxial network, the filter comprising:

a ferrite form;

a grounding conductor having first and second ends, the conductor being wound about or through the ferrite form thereby creating a choke in series between the first conductor end and the second conductor end; and

a terminal coupler provided at one of the conductor ends for electrically coupling the choke between a coaxial network ground block and a ground reference source, the terminal coupler comprising a threaded receptacle for receiving a threaded bolt, first and second apertures in the threaded receptacle adapted to receive the first conductor end and a ground wire from the ground reference source and a threaded bolt screw threaded into the threaded receptacle configured to hold the first conductor end and the ground wire in the first and second apertures;

the grounding conductor being configured to function as a ground for the coaxial network and to attenuate the RF interference.

26 (new). A system comprising:

a coaxial network comprising a television and a coaxial cable operatively coupled to the television, the coaxial cable having an inner conductor and an outer shield, the coaxial cable being adapted for providing a television signal to the television;

a ground reference source;

a filter for reducing RF interference on the coaxial network, the filter comprising a ferrite form and a grounding conductor, the grounding conductor having first and second grounding conductor ends, the grounding conductor being wound about or through the ferrite form thereby creating a choke in series between the first grounding conductor end and the second grounding conductor end, the first grounding conductor end being electrically coupled to the outer shield of the coaxial cable, the second grounding conductor end being electrically coupled to the ground reference source.

27 (new). The method of claim 18 further comprising the step of disconnecting the ground wire from one of the shield and the ground reference source.

Remarks:

The amendments to the claims overcome all objections to the claims. Also, as amended the claims satisfy the requirements of 35 U.S.C. §112, second paragraph.